

Abstract

This invention relates to novel ionic liquids with the general formula [cation] [R'-SO₄] in which R' is a branched or linear, saturated or unsaturated, aliphatic or alicyclic functionalized or non-functionalized hydrocarbon chain with 3 - 36
5 carbon atoms. These novel ionic liquids can be used e.g. as solvents or solvent additives in chemical reactions, as extraction agents or as heat carriers.